

## CONTENTS OF VOLUME 26

Number 1

### MEDICAL GEOGRAPHY—SELECTED PAPERS FROM THE 1986 RUTGERS SYMPOSIUM

**Robert Earickson**

1 Foreword

**Michael Greenberg**

3 Introduction

#### 1. DISEASE PROBLEMS IN LESSER DEVELOPED COUNTRIES

**Marian Craig**

5 Time-space clustering of *Vibrio cholerae* 01 in Matlab, Bangladesh, 1970–1982

**Surinder M. Bhardwaj and  
Madhusudana N. Rao**

15 Regional development and seasonality of communicable diseases in rural Andhra Pradesh, India

**Maggie Pearson**

25 What does distance matter? Leprosy control in West Nepal

#### 2. HEALTH AND DISEASE PROBLEMS IN DEVELOPED COUNTRIES

**D. R. Phillips and J. Vincent**

37 Privatising residential care for elderly people: the geography of developments in Devon, England

**Graham Bentham**

49 Migration and morbidity: implications for geographical studies of disease

**G. Brent Hall**

55 Monitoring and predicting community mental health centre utilization in Auckland, New Zealand

**L. Hingstman and H. Boon**

71 Obstetric care in the Netherlands: regional differentiation in home delivery

**J. A. Giggs, J. B. Bourke and  
B. Katschinski**

79 The epidemiology of primary acute pancreatitis in Greater Nottingham: 1969–1983

#### 3. SERVICE DISTRIBUTION AND USE ANALYSIS

**Peter P. Groenewegen and  
Jouke van der Zee**

91 The comparison of health care systems through regional analysis: the case of hospital admissions in Belgium and the Netherlands

**Alun E. Joseph and Helen Flynn**

101 Regional and welfare perspectives on the public-private hospital dichotomy in New Zealand

**Joseph L. Scarpaci**

111 DRG calculation and utilization patterns: a review of method and policy

#### 4. MATHEMATICAL MODELS IN PUBLIC HEALTH RESEARCH

**Susan Kennedy**

119 A geographic regression model for medical statistics

**R. W. Thomas**

131 Carrier models for the simulation of Hodgkin's disease: a review with some extensions

**Mary B. Breckenridge,  
Alfred F. Tallia and Robert C. Like**

141 Display of small-area variation in health-related data: a methodology using resistant statistics

**M. J. Hodgson**

153 An hierarchical location-allocation model for primary health care delivery in a developing area

**Geoffrey Bianchi and Richard L. Church**

163 A hybrid FLEET model for emergency medical service system design

## 5. PARADIGMS FOR PUBLIC HEALTH RESEARCH

**Graham Moon and Liz Twigg**

173 Health education and baseline data: issues and strategies in nutrition campaigning

**M. W. Rosenberg**

179 Linking the geographical, the medical and the political in analysing health care delivery systems

**Gerry Kearns**

187 Private property and public health reform in England 1830-70

### *Number 2*

**Editorial**

I

**Ofra Anson**

201 Living arrangements and women's health

**Celia V. Holland, Douglas L. Taren, D. W. T. Crompton, M. C. Nesheim, Diva Sanjur, Irma Barbeau, Katharine Tucker, Jean Tiffany and Gloria Rivera**

209 Intestinal helminthiases in relation to the socioeconomic environment of Panamanian children

**S. Selvin, D. Merrill, J. Schulman, S. Sacks, L. Bedell and L. Wong**

215 Transformations of maps to investigate clusters of disease

**Cri Kars-Marshall, Yvonne W. Spronk-Boon and Marjan C. Pollemans**

223 National health interview surveys for health care policy

**Robert F. Murphy, Jessica Scheer, Yolanda Murphy and Richard Mack**

235 Physical disability and social liminality: a study in the rituals of adversity

**Andrea Knopf Elkind**

243 Smoking and the female professions: pre-occupational influences on the behaviour of recruits to nursing and teaching

**Kees de Meer**

253 Mortality in children among the Aymara Indians of Southern Peru

**Elina Hemminki, Ossi Rahkonen, Arja Rimpelä and Matti Rimpelä**

259 Coffee drinking among Finnish youth

**Indu B. Ahluwalia, Steven D. Helgerson and Frank J. Bia**

265 Immunization coverage of children in a semi-urban village panchayat in Nepal, 1985

**Donna Shai and Ira Rosenwaike**

269 Violent deaths among Mexican-, Puerto Rican- and Cuban-born migrants in the United States

**Announcements**

i

### *Number 3*

## STRESS AND COPING IN RELATION TO HEALTH AND DISEASE

**Editorial**

277 Stress and disease

iv

**A. J. J. M. Vingerhoets and F. H. G. Marcelissen**

**James P. Henry**

**L. J. P. van Doornen, E. J. C. de Geus and J. F. Orlebeke**

**Susan Folkman and Richard S. Lazarus**

**Zahava Solomon and Hanoch Flum**

**James W. Pennebaker and Joan R. Susman**

**Richard McCarty, Karin Horwatt and Maria Konarska**

**J. Passchier, P. Goudswaard, J. F. Orlebeke and F. Verhage**

**Marjolijn Sorbi and Bert Tellegen**

**S. Maes and M. Schlösser**

**Frans H. G. Marcelissen, Jacques A. M. Winnubst, Bram Buunk and Charles J. de Wolff**

**Philip J. Dewe**

**Kristian Pollock**

279 Stress research: its present status and issues for future developments

293 Stress, salt and hypertension

303 Aerobic fitness and the physiological stress response: a critical evaluation

309 The relationship between coping and emotion: implications for theory and research

319 Life events, combat stress reaction and post-traumatic stress disorder

327 Disclosure of traumas and psychosomatic processes

333 Chronic stress and sympathetic-adrenal medullary responsiveness

343 Migraine and defense mechanisms: psychophysiological relationships in young females

351 Stress-coping in migraine

359 Changing health behaviour outcomes in asthmatic patients: a pilot intervention study

365 Social support and occupational stress: a causal analysis

375 Investigating the frequency of nursing stressors: a comparison across wards

381 On the nature of social stress: production of a modern mythology

*Number 4*

**Susan L. Greenblatt**

**J. M. Najman, G. M. Williams, J. D. Keeping, J. Morrison and M. J. Andersen**

**Roger Mark Selya**

**Michael Montagne**

**James G. Hollandsworth Jr**

**Michael Calnan and J. R. Butler**

**Helka Urponen, Ilkka Vuori, Joel Hasan and Markku Partinen**

**Geoffrey E. Smith**

393 Physicians and chronic impairment: a study of ophthalmologists' interactions with visually impaired and blind patients

401 Religious values, practices and pregnancy outcomes: a comparison of the impact of sect and mainstream Christian affiliation

409 Pharmacies as alternative sources of medical care: the case of Cincinnati

417 The metaphorical nature of drugs and drug taking

425 Evaluating the impact of medical treatment on the quality of life: a 5-year update

435 The economy of time in general practice: an assessment of the influence of list size

443 Self-evaluations of factors promoting and disturbing sleep: an epidemiological survey in Finland

451 Fluoride and fluoridation

<b>Michael Calnan and D. R. Rutter</b>	463 Do health beliefs predict health behaviour? A follow-up analysis of breast self-examination
<b>Evelyn K. Oremland</b>	467 Work dynamics in family care of hemophilic children
<b>Dag Isacson and Bengt Haglund</b>	477 Psychotropic drug use in a Swedish community—the importance of demographic and socioeconomic factors
<b>Erratum</b>	i
<b>International Meetings</b>	ii
<b>Announcement</b>	iii

*Number 5*

## **WORKSITE HEALTH PROMOTION**

<b>Peter Conrad</b>	485 Worksite health promotion: the social context
<b>Roberta B. Hollander and Joseph J. Lengermann</b>	491 Corporate characteristics and worksite health promotion programs: survey findings from Fortune 500 companies
<b>Paul M. Roman and Terry C. Blum</b>	503 Formal intervention in employee health: comparisons of the nature and structure of employee assistance programs and health promotion programs
<b>Jennie J. Kronenfeld, Kirby L. Jackson, Keith E. Davis and Steven N. Blair</b>	515 Changing health practices: the experience from a worksite health promotion project
<b>M. A. Spilman</b>	525 Gender differences in worksite health promotion activities
<b>Rick S. Zimmerman, Terence A. Gerace, John C. Smith and Julio Benezra</b>	537 The effects of a worksite health promotion program on the wives of fire fighters
<b>Peter Conrad</b>	545 Health and fitness at work: a participants' perspective
<b>Joseph A. Kotarba and Pamela Bentley</b>	551 Workplace wellness participation and the becoming of self
<b>Jacqui Alexander</b>	559 The ideological construction of risk: an analysis of corporate health promotion programs in the 1980s
<b>Diana Chapman Walsh</b>	569 Toward a sociology of worksite health promotion: a few reactions and reflections

*Number 6*

<b>Keith Gottschalk</b>	577 The political economy of health care: colonial Namibia 1915–1961
<b>Jenny Morris and G. T. Royle</b>	583 Offering patients a choice of surgery for early breast cancer: a reduction in anxiety and depression in patients and their husbands
<b>Anne L. Wright</b>	587 Models of mystery: physician and patient perceptions of sudden infant death syndrome
<b>Bonnie J. Kay and Sandra M. Kabir</b>	597 A study of costs and behavioral outcomes of menstrual regulation services in Bangladesh

<b>Katherine Tucker and Diva Sanjur</b>	605 Maternal employment and child nutrition in Panama
<b>Adrian Furnham</b>	613 Values and vocational choice: a study of value differences in medical, nursing and psychology students
<b>Wilma Bailey, Hugh Wynter and Amy Lee</b>	619 Women in search of stability
<b>Richard A. Jenkins and Kenneth I. Pargament</b>	625 Cognitive appraisals in cancer patients
<b>Mary Morrow-Tlucak, Richard H. Haude and Claire B. Ernhart</b>	635 Breastfeeding and cognitive development in the first 2 years of life
<b>Ralph Lenz</b>	641 Jakarta <i>kampung</i> morbidity variations: some policy implications
<b>Marcia Inhorn Millar and Sandra D. Lane</b>	651 Ethno-ophthalmology in the Egyptian Delta: an historical systems approach to ethnomedicine in the Middle East
<b>T. Kue Young</b>	659 Are subarctic Indians undergoing the epidemiologic transition?
<b>Letter to the Editor-in-Chief</b>	673
<b>Letter to the Editor</b>	675
<b>International Meetings</b>	i
<b>Announcements</b>	i

*Number 7*

<b>Carol P. MacCormack</b>	677 Health and the social power of women
<b>Adrian Furnham and Chris Smith</b>	685 Choosing alternative medicine: a comparison of the beliefs of patients visiting a general practitioner and a homoeopath
<b>Iris Kapil</b>	691 Doctors dispensing medications: contemporary India and 19th century England
<b>Amy Ong Tsui, Julia DeClerque and Nlandu Mangani</b>	701 Maternal and sociodemographic correlates of child morbidity in Bas Zaire: the effects of maternal reporting
<b>A. K. Szczerpura and J. A. Stilwell</b>	715 Information for decision makers at hospital laboratory level: an example of a graphical method of representing costs and effects for a replacement automated technology in a haematology laboratory
<b>Howard E. Kulin</b>	727 Adolescent pregnancy in Africa: a programmatic focus
<b>Teresa E. Seeman and Lisa F. Berkman</b>	737 Structural characteristics of social networks and their relationship with social support in the elderly: who provides support
<b>Linda C. Koo, John H-C. Ho and Ragnar Rylander</b>	751 Life-history correlates of environmental tobacco smoke: a study on nonsmoking Hong Kong Chinese wives with smoking versus nonsmoking husbands
<b>Andrew C. Twaddle</b>	761 Swedish physicians' perspectives on work and the medical care system—III: private practitioners on the public system
<b>Letter to the Editor</b>	769

*Book Reviews*

**John A. Rich**

770 *Health care issues in black America: policies, problems and prospects*, edited by Woodrow Jones Jr and Mitchell F. Rice

**Thomas P. Stossel**

770 *Selling science, how the press covers science and technology*, by Dorothy Nilkin

**Gareth H. Williams**

770 *Borrowed time: artificial organs and the politics of extending time*, by Alonzo L. Plough

**Robert H. Rapoport**

771 *School-age pregnancy and parenthood: biosocial dimensions*, edited by Jane B. Lancaster and Beatrix A. Hamburg

**Publications Received**

773

**International Meetings**

774

*Number 8*

**Conference Resolution**

I

**Janet McKee**

775 Holistic health and the critique of Western medicine

**Wilbert M. Gesler**

785 The place of chiropractors in health care delivery: a case study of North Carolina

**Ndolamb Ngokwey**

793 Pluralistic etiological systems in their social context: a Brazilian case study. In memory of James S. Coleman

**Helmut Kloos, Chin Tsong Lo,  
Hailu Birrie, Teklemariam Ayele,  
Shibru Tedla and Fekade Tsegay**

803 Schistosomiasis in Ethiopia

**William C. Cockerham, Gerhard Kunz  
and Guenther Lueschen**

829 Psychological distress, perceived health status, and physician utilization in America and West Germany

**Polly E. Bijur, Jean Golding  
and Matthew Kurzon**

839 Childhood accidents, family size and birth order

**J. L. Botha, D. Bradshaw, R. Gonin  
and D. Yach**

845 The distribution of health needs and services in South Africa

**Michael S. Goldstein,  
Carol Sutherland, Dennis T. Jaffe  
and Josie Wilson**

853 Holistic physicians and family practitioners: similarities, differences and implications for health policy

**Patrick O'Reilly**

863 Methodological issues in social support and social network research

**Publications Received**

875

**International Meetings**

876

*Number 9*

**SELECTIVE OR COMPREHENSIVE PRIMARY HEALTH CARE?**

**Editorial**

877 The debate on selective or comprehensive primary health care

**Daniel Grodos et Xavier de Béthune**

879 Les interventions sanitaires sélectives: un piège pour les politiques de santé du Tiers Monde

<b>Kenneth S. Warren</b>	891 The evolution of selective primary health care
<b>Julia A. Walsh</b>	899 Selectivity within primary health care
<b>Kenneth W. Newell</b>	903 Selective primary health care: the counter revolution
<b>W. Henry Mosley</b>	907 Is there a middle way? Categorical programs for PHC
<b>Duane L. Smith and John H. Bryant</b>	909 Building the infrastructure for primary health care: an overview of vertical and integrated approaches
<b>Andrew Green and Carol Barker</b>	919 Priority setting and economic appraisal: whose priorities—the community or the economist?
<b>Susan B. Rifkin, Frits Muller and Wolfgang Bichmann</b>	931 Primary health care: on measuring participation
<b>David Nabarro and Paul Chinnock</b>	941 Growth monitoring—inappropriate promotion of an appropriate technology
<b>W. Van Lerberghe and K. Pangu</b>	949 Comprehensive can be effective: the influence of coverage with a health centre network on the hospitalisation patterns in the rural area of Kasongo, Zaire
<b>H. T. J. Chabot and J. Bremmers</b>	957 Government health services versus community: conflict or harmony
<b>Ben Wisner</b>	963 GOBI versus PHC? Some dangers of selective primary health care
<b>Carl Taylor and Richard Jolly</b>	971 The straw men of primary health care
<b>International Meetings</b>	i

*Number 10*

<b>Lawrence C. Shulman and Joanne E. Mantell</b>	979 The AIDS crisis: a United States health care perspective
<b>Helena Temkin-Greener and Kathryn T. Clark</b>	989 Ethnicity, gender, and utilization of mental health services in a Medicaid population
<b>Carol L. Jenkins</b>	997 Health in the early contact period: a contemporary example from Papua New Guinea
<b>Henry Troyer</b>	1007 Review of cancer among 4 religious sects: evidence that life-styles are distinctive sets of risk factors
<b>Gary D. James, Lily S. Yee, Gregory A. Harshfield and Thomas G. Pickering</b>	1019 Sex differences in factors affecting the daily variation of blood pressure
<b>Anne Hammarström, Urban Janlert and Töres Theorell</b>	1025 Youth unemployment and ill health: results from a 2-year follow-up study
<b>John M. A. Oyiborhoro</b>	1035 Audiology training in Nigeria—I: a training model
<b>John M. A. Oyiborhoro</b>	1043 Audiology training in Nigeria—II: a cost-effective approach to training programs
<b>J. Ross Barnett</b>	1049 Foreign medical graduates in New Zealand 1973–79: a test of the ‘exacerbation hypothesis’

**Elaine H. Gort and David Coburn** 1061 Naturopathy in Canada: changing relationships to medicine, chiropractic and the state

**Paul C. Y. Chen** 1073 Longhouse dwelling, social contact and the prevalence of leprosy and tuberculosis among native tribes of Sarawak

*Number 11*

**W. Thomas Boyce, Margarita Kay and Chris Uitti** 1079 The taxonomy of social support: an ethnographic analysis among adolescent mothers

**Lothar Schelp** 1087 The role of organizations in community participation—prevention of accidental injuries in a rural Swedish municipality

**Landy F. Sparr, Geoffrey H. Gordon, David H. Hickam and Donald E. Girard** 1095 The doctor-patient relationship during medical internship: the evolution of dissatisfaction

**Sara Carmel, Ilana Shoham Yakubovich, Lea Zwanger and Tsila Zaltzman** 1103 Nurses autonomy and job satisfaction

**Bernie J. O'Brien** 1109 A game-theoretic approach to donor kidney sharing

**Wilma Bailey** 1117 Child morbidity in the Kingston metropolitan area, Jamaica 1983

**Claudia Fishman, Robin Evans and Eloise Jenks** 1125 Warm bodies, cool milk: conflicts in post partum food choice for Indochinese women in California

**Erich H. Loewy** 1133 Communities, self-causation and the natural lottery

**Carol Sakala** 1141 Content of care by independent midwives: assistance with pain in labor and birth

**Clive Dillon-Malone** 1159 *Mutumwa Nchimi* healers and wizardry beliefs in Zambia

**Special Note  
F. Allodi** 1173 Your neighbour's son: a film review with a commentary on psychosocial processes in the making of a torturer

**Announcements** i

**International Meeting** ii

*Number 12*

**Pearl Katz and Faris R. Kirkland** 1175 Traditional thought and modern Western surgery

**Marilyn Y. Peay and Edmund R. Peay** 1183 The role of commercial sources in the adoption of a new drug

**Isidore S. Obot** 1191 Social science and medical education in Nigeria

**HISTORICAL AND CROSS-CULTURAL PERSPECTIVES ON NERVES**

**Dona Lee Davis** 1197 Introduction. Historical and cross-cultural perspectives on nerves

**Susan E. Cayleff**

1199 'Prisoners of their own feebleness': women, nerves and Western medicine—a historical overview

**Dona Lee Davis and  
Richard G. Whitten**

1209 Medical and popular traditions of nerves

**Peter J. Guarnaccia and  
Pablo Farias**

1223 The social meanings of *nervios*: a case study of a Central American woman

**Janis H. Jenkins**

1233 Conceptions of schizophrenia as a problem of nerves: a cross-cultural comparison of Mexican-Americans and Anglo-Americans

**Marilyn K. Nations, Linda A. Camino and Frederic B. Walker** 1245 'Nerves': folk idiom for anxiety and depression?

**International Meetings**

i

